

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	114	("4301704" "4334125" "5216727" "5459432" "5481397" "5995552" "3618013" "3896357" "3872475" "3863133" "4018087" "4020685" "4047014" "4070552" "4276512" "4283957" "4294153" "4298948" "4297933" "4323884" "4327420" "4338810" "4338818" "4363053" "4366707" "4367522" "4375777" "4406204" "4430566" "4455911" "4462254" "4463333" "4472884" "4481440" "4503326" "4565970" "4566324" "4599620" "4601000" "4616276" "4633423" "4794511" "4796993" "4811096" "4814680" "4825063" "4843291" "4851776" "4883358" "4898025").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 19:12
S2	22	S1 and position and harmonic and current	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 19:21
S3	3	S1 and position and harmonic and current and (sine or sinusoid\$4 or sin) and (cosine or cos) and (multiply\$4 or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:52
S4	3	S1 and (flux or position) and harmonic and current and (sine or sinusoid\$4 or sin) and (cosine or cos) and (multiply\$4 or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 19:58
S5	13	S1 and (flux or position) and harmonic and current and (sine or sinusoid\$4 or sin) and (cosine or cos) and (subtract\$4 or deviat\$4 or differenc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:20
S6	17	S1 and (flux or position) and harmonic and (sine or sinusoid\$4 or sin) and (cosine or cos) and (subtract\$4 or deviat\$4 or differenc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:25
S7	4	S6 not S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:20
S8	22	S1 and (flux or position) and harmonic and (sine or sinusoid\$4 or sin) and (cosine or cos)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:27
S9	5	S8 not (S6 or S5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:27
S10	3	S1 and decoupl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:27
S11	2	S1 and (flux or position or angle or angular) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and decoupl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:45
S12	2	S1 and (flux or position or angle or angular) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:47

S13	1	318/629 and (flux or position or angle or angular) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:49
S14	86	"318"/\$ and (flux or position or angle or angular) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:50
S15	80	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:50
S16	62	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:51
S17	45	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:53
S18	5	S1 and position and harmonic and current and (sine or sinusoid\$4 or sin) and (cosine or cos) and (multiply\$4 or multiplication or product or multiplier) and (subtract\$4 or deviat\$4 or differenc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:52
S19	44	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 20:54
S20	35	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage) and (vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:37
S21	10	"6262896"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:01
S22	26	(("67777907") or ("6507505") or ("5047909") or ("5321599") or ("6768280") or ("200201713837") or ("6163128") or ("6208540") or ("6222335") or ("6288515") or ("6362585") or ("6366043") or ("6504329")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/07 21:03
S23	0	S22 and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage) and (vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:04
S24	0	S22 and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:05
S25	0	S22 and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and filter\$4 and (multiply\$4 or multiplier or multiplication or product)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:05

S26	0	S22 and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:07
S27	0	S22 and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and filter\$4 and ((2\$2 or two\$2 or twice) near4 (sine or sinusoid\$4 or sin or cosine or cos))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:07
S28	26	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage) and (vector) and ((2\$2 or two\$2 or twice) near4 (sine or sinusoid\$4 or sin or cosine or cos))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:21
S30	8	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage) and (vector) and ((two\$2 or twice) near4 (sine or sinusoid\$4 or sin or cosine or cos))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:13
S31	20	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage) and (vector) and ((2\$2 or two\$2) adj3 (sine or sinusoid\$4 or sin or cosine or cos))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:25
S32	10	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage) and (vector) and ((2\$1 or two\$2) adj2 (sine or sinusoid\$4 or sin or cosine or cos))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:28
S33	2	"318"/\$ and (flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage) and (vector) and ((2\$1 or two\$2) adj2 ((sine or sinusoid\$4 or sin) and (cosine or cos)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:31
S34	13	(flux or position) and harmonic\$4 and (sine or sinusoid\$4 or sin) and (cosine or cos) and ((de\$2 adj2 coupl\$4) or decoupl\$4) and filter\$4 and (multiply\$4 or multiplier or multiplication or product) and (subtract\$4 or deviat\$4 or differenc\$4) and (current or voltage) and (vector) and ((2\$1 or two\$2) adj2 ((sine or sinusoid\$4 or sin) and (cosine or cos)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/07 21:34
S35	15	S20 not (S34 or S31)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 10:26
S36	4	("4437539").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/08 11:42
S37	10	318/610 and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 11:46
S38	0	318/610 and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (harmonic\$2 near4 (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 11:47

S39	2	318/610 and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (harmonic\$2 same (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 11:48
S40	7	318/629 and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (harmonic\$2 same (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 13:42
S41	10	318/629 and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 13:53
S42	7	318/629 and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (harmonic\$2 same (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 13:43
S43	3	S41 not S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 13:43
S44	853	(pwm or (pulse\$2 adj2 width)) and (speed or velocity) and (flux or position) and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (subtract\$4 or deviat\$4 or differenc\$4) and (PID or PI or (proportion\$4 adj4 integral))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 13:57
S45	190	"318"/\$ and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and (flux or position) and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (subtract\$4 or deviat\$4 or differenc\$4) and (PID or PI or (proportion\$4 adj4 integral))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 17:17
S46	143	"318"/\$ and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and (flux\$2 or position) and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (subtract\$4 or deviat\$4 or differenc\$4) and (PID or PI or (proportion\$4 adj4 integral)) and flux\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:00
S47	123	"318"/\$ and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and (flux\$2 or position) and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (subtract\$4 or deviat\$4 or differenc\$4) and (PID or PI or (proportion\$4 adj4 integral)) and flux\$2 and (correct\$4 or compensat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:09
S48	60	"318"/\$ and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and (flux\$2 or position) and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (subtract\$4 or deviat\$4 or differenc\$4) and (PID or PI or (proportion\$4 adj4 integral)) and flux\$2 and (correct\$4 or compensat\$4) and (harmonic\$2 same (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:19
S49	17	"318"/\$ and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and (flux\$2 or position) and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (subtract\$4 or deviat\$4 or differenc\$4) and (PID or PI or (proportion\$4 adj4 integral)) and flux\$2 and (correct\$4 or compensat\$4) and (harmonic\$2 same (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:40
S50	19	"6163128"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:22

S51	12	"318"/\$ and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and (flux\$2 and position) and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (subtract\$4 or deviat\$4 or differenc\$4) and (PID or PI or (proportion\$4 adj4 integral)) and flux\$2 and (correct\$4 or compensat\$4) and (harmonic\$2 same (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) or (de\$2 adj2 coupl\$4) or decoupl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:52
S52	17	"318"/\$ and (speed or velocity) and (flux\$2 and position) and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (subtract\$4 or deviat\$4 or differenc\$4) and (PID or PI or (proportion\$4 adj4 integral)) and flux\$2 and (correct\$4 or compensat\$4) and (harmonic\$2 same (filter\$4 or (de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) or (de\$2 adj2 coupl\$4) or decoupl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:51
S53	5	S52 not S51	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:51
S54	11	"318"/\$ and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and flux\$2 and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4 or (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (PID or PI or (proportion\$4 adj4 integral)) and (correct\$4 or compensat\$4) and (harmonic\$2 same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and ((integrat\$4 or integra\$4) same (speed or velocity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:56
S55	11	(pwm or (pulse\$2 adj2 width)) and (speed or velocity) and flux\$2 and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (PID or PI or (proportion\$4 adj4 integral)) and (correct\$4 or compensat\$4) and (harmonic\$2 same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and ((integrat\$4 or integra\$4) same (speed or velocity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:57
S56	25	(pwm or (pulse\$2 adj2 width)) and (speed or velocity) and flux\$2 and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (PID or PI or (proportion\$4 adj4 integral)) and (correct\$4 or compensat\$4) and ((harmonic\$2 or frequency) same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and ((integrat\$4 or integra\$4) same (speed or velocity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:58
S57	14	S56 not S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:57
S58	32	(pwm or (pulse\$2 adj2 width)) and (speed or velocity) and flux\$2 and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (PID or PI or (proportion\$4 adj4 integral)) and (correct\$4 or compensat\$4) and ((harmonic\$2 or frequency) same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and ((integrat\$4 or integra\$4) same (speed or velocity or position))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:16
S59	21	S58 not S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 18:59
S60	9	S59 and "318"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:00

S61	32	(pwm or (pulse\$2 adj2 width)) and (speed or velocity) and flux\$2 and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and (PID or PI or (proportion\$4 adj4 integral)) and ((harmonic\$2 or frequency) same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4)) and ((integrat\$4 or integra\$4) same (speed or velocity or position))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:18
S62	103	(pwm or (pulse\$2 adj2 width)) and (speed or velocity) and flux\$2 and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and ((harmonic\$2 or frequency) same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4)) and ((integrat\$4 or integra\$4) same (speed or velocity or position))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:18
S63	36	("318"/\$) or ("388"/\$) and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and flux\$2 and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4) and ((harmonic\$2 or frequency) same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4)) and ((integrat\$4 or integra\$4) same (speed or velocity or position))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:28
S64	2	"6777907"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:25
S66	1	"6777907" and flux	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:26
S69	118	("318"/\$) or ("388"/\$) and (pwm or (pulse\$2 adj2 width)) and (speed or velocity) and flux\$2 and position and harmonic\$4 and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2 or frequency) same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation)) and ((integrat\$4 or integra\$4) same (speed or velocity or position))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 20:31
S70	82	S69 not (S56 or S63)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:30
S71	51	S70 and (PID\$2 or PI\$2 or (proportion\$4 adj4 integral))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:31
S72	60	S70 and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 19:32
S73	47	("318"/\$) or ("388"/\$) and (pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity) and flux\$2 and (angle or angular or position) and (frequency or harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation).ab. and ((harmonic\$2 or frequency) same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation)) and ((integrat\$4 or integra\$4) same (speed or velocity or position))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 20:38

S74	36	S73 and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 20:38
S75	23	(("318"/\$) or ("388"/\$)) and (pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity) and flux\$2 and (angle or angular or position) and (frequency or harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2 or frequency) same ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation)).ab. and ((integrat\$4 or integra\$4) same (speed or velocity or position)) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:11
S76	11	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (angle or angular or position) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2 or frequency) near9 ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation)).ab. and ((integrat\$4 or integra\$4) same (speed or velocity or position)) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:03
S77	26	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (angle or angular or position) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2 or frequency) near9 ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation)).ab. and ((PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:08
S78	15	S77 not S76	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:05
S79	416	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (angle or angular or position) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2 or frequency) near9 ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation)) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:09
S80	264	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (angle or angular or position) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2 or frequency) near9 ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4)) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:22
S81	77	(("318"/\$) or ("388"/\$)) and S80	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:12
S82	67	S81 not (S77 or S75)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:13

S83	25	S82 and (frequency or harmonic).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:14
S84	10	S82 and (harmonic).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:14
S85	271	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (angle or angular or position or phase) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:38
S86	81	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (position or phase) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2) near9 ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4)) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:39
S87	57	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (position or phase) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2) near9 ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4)) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4)) and motor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:40
S88	48	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (position or phase) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2) near9 ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4)) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4)) and motor and "318"/\$ and harmonic.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:43
S89	12	(pwm or (pulse\$2 adj2 width) or modulat\$4) and (speed or velocity or (angular adj2 frequency)) and flux\$2 and (position or phase) and (harmonic\$4) and (subtract\$4 or differenc\$4 or deviat\$4) and ((subtract\$4 or differenc\$4 or deviat\$4) same (current or voltage or power or correct\$4 or compensat\$4)) and ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4 or eliminat\$4 or cancel\$4 or cancellation) and ((harmonic\$2) near9 ((de\$2 adj2 coupl\$4) or decoupl\$4 or isolat\$4 or remov\$4)) and (PID\$2 or PI\$2 or (proportion\$4 adj4 integra\$4)) and motor and "318"/\$ and harmonic.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:48
S90	261	((decoupl\$4 or (de\$2 adj2 coupl\$4) or isolat\$4) near4 (harmonic or fundamental)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:49
S91	10	((decoupl\$4 or (de\$2 adj2 coupl\$4) or isolat\$4) near4 (harmonic or fundamental)).ab. and (harmonic or fundamental) and (speed or (angular near4 frequency) or velocity) and position and flux	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:51

S92	10	((decoupl\$4 or (de\$2 adj2 coupl\$4) or isolat\$4 or subtract\$4) near4 (harmonic or fundamental)).ab. and (harmonic or fundamental) and (speed or (angular near4 frequency) or velocity) and position and flux and (subtract\$4 or decoupl\$4 or (de\$2 adj2 coupl\$4) or isolat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/09 21:52
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